

overview

- background suppression
- 30 ... 200 mm
- pulsed PinPoint LED
- PNP complementary
- qTeach
- connector M8 4 pin
- 25 ... 60 °C
- IP 67



Technical data

general data

type	background suppression
light source	pulsed PinPoint LED
sensing distance Tw	30 ... 200 mm
sensing range Tb	15 ... 200 mm
power on indication	LED green
light indicator	LED yellow
sensing distance adjustment	qTeach
wave length	630 nm
suppression of reciprocal influence	yes
alignment optical axis	< 2°

electrical data

response time / release time	< 0,49 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	45 mA
current consumption typ.	30 mA

remarks

- qTeach

electrical data

voltage drop Vd	< 3 VDC
output function	light / dark operate
output circuit	PNP complementary
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	12,9 mm
height / length	32,3 mm
depth	23 mm
type	rectangular
housing material	plastic (ASA, PMMA)
front (optics)	PMMA
connection types	connector M8 4 pin

ambient conditions

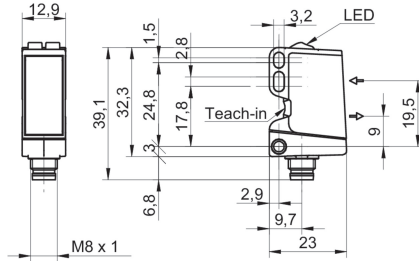
operating temperature	-25 ... +60 °C
protection class	IP 67

O300.GP-PV1T.72N

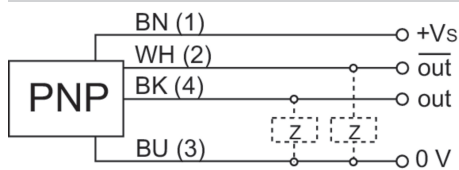
Diffuse sensors with background suppression - miniature

Article number: 11110441

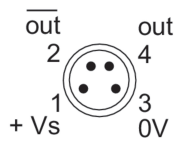
dimension drawing



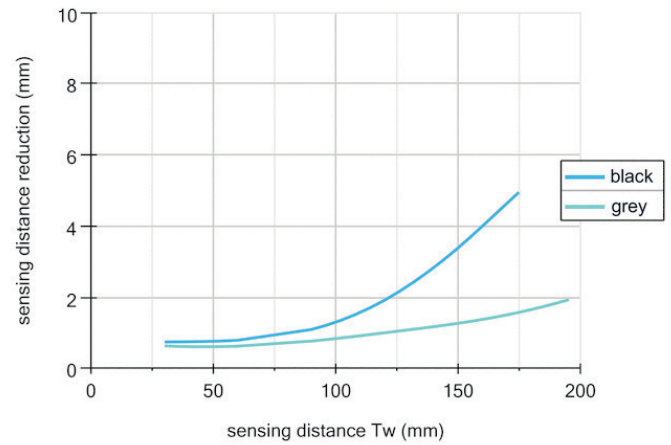
connection diagram



pin assignment



sensing distance diagram



beam characteristic (typically)

